

IN THE CLAIMS

1. (Original) A semiconductor integrated circuit device for RF processing, which frequency-converts a received signal into a baseband to output the signal as an I signal and a Q signal, comprising:

an external input terminal to which an adjustment signal, giving instructions to adjust output-voltage levels of said I signal and Q signal, is inputted.

2. (Original) The semiconductor integrated circuit device according to claim 1, further comprising an output-voltage adjustment unit for adjusting the output-voltage levels of the I signal and the Q signal, based on an adjustment signal inputted via said external input terminal.

3. (Original) The semiconductor integrated circuit device according to claim 2,
wherein said output-voltage adjustment unit comprises:
a control unit for outputting control data based on the instructions of said adjustment signal;
a storage unit for storing the control signal of said control unit;

a voltage generator unit for carrying a current with an optional current value among a plurality of different current values and converting the current into an optional voltage, based on the control signal stored in said storage unit; and an amplifier for outputting a value of the voltage converted by said voltage generator unit, as the output voltage levels of the I signal and Q signal.

4. (Original) The semiconductor integrated circuit device according to claim 3,
wherein the voltage outputted from said voltage generator unit is changed in a step of about 0.1 V or less.

5. (Original) A semiconductor integrated circuit device for RF processing, which frequency-converts a received signal into a baseband to output the signal as an I signal and a Q signal, comprising:

an external input terminal to which a reference voltage, giving the instructions for adjusting output-voltage levels of said I signal and Q signal, is inputted; and
an amplifier for adjusting the output-voltage levels of said I signal and Q signal, based on the reference voltage inputted via said external input terminal.

6. (Original) A semiconductor integrated circuit device for baseband processing, which converts, into digital signals, an I signal and a Q signal frequency-converted by a semiconductor integrated circuit device for RF processing and measures levels of the digital signals to perform level control, comprising:

an external output terminal for outputting an adjustment signal giving instructions to adjust output-voltage levels of said I signal and Q signal.

7. (Original) The semiconductor integrated circuit device according to claim 6, further comprising:

an A/D converter for converting, into digital data, an output-voltage level outputted from the outside; and
a comparison unit for comparing the digital data outputted from said A/D converter and a reference voltage, and for outputting the comparison results as an adjustment signal.

8. (Original) A portable terminal system, comprising:
a first semiconductor integrated circuit device for RF processing, which frequency-converts a received signal into a baseband to output the signal as an I signal and a Q signal; and

a second semiconductor integrated circuit device for baseband processing, which converts, into digital signals, the I signal and Q signal frequency-converted by said first semiconductor integrated circuit device and measures levels of the digital signals to perform level control,

wherein said first semiconductor integrated circuit device includes an external input terminal to which an adjustment signal, giving instructions to adjust output-voltage levels of said I signal and Q signal, is inputted, and wherein said second semiconductor integrated circuit device includes an external output terminal for outputting said adjustment signal to the external input terminal of said first semiconductor integrated circuit device.

9. (Original) The portable terminal system according to claim 8,

wherein said first semiconductor integrated circuit device includes:

an output voltage adjustment unit for adjusting the output voltage levels of the I signal and the Q signal, based on the adjustment signal inputted via said external input terminal, and

said second semiconductor integrated circuit device includes:

 an A/D converter for converting, into digital data, an output-voltage level outputted from the outside; and

 a comparison unit for comparing the digital data outputted from said A/D converter and a reference voltage and for outputting the comparison results as an adjustment signal.

10. (Original) The portable terminal system according to claim 9,

 wherein the output-voltage adjustment unit of said first semiconductor integrated circuit device includes:

 a control unit for outputting control data based on instructions of said adjustment signal;

 a storage unit for storing the control signal of said control unit;

 a voltage generator unit for carrying a current with an optional current value among a plurality of different current values and for converting the current into an optional voltage, based on the control signal stored in said storage unit; and

an amplifier for outputting a value of the voltage converted by said voltage generator unit, as output- voltage levels of said I signal and Q signal.

11. (Original) The portable terminal system according to claim 10,

wherein the voltage outputted from said voltage generator unit is changed in a step of about 0.1 V or less.